

Product datasheet for **RN205356**

Sc5d (NM_053642) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sc5d (NM_053642) Rat Untagged Clone
Tag: Tag Free
Symbol: Sc5d
Synonyms: Sc5dl
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205356 representing NM_053642
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACCTGGTTCTCAGTGCTGCCGACTACTATTTCTTCACTCCCTATGTGTATCCAGCCACATGGCCCG
AGGACAACATCATCCGACAACTGTTAGTCTCCTGGTTGTACCAACCTGGGTGCTTACATCCTCTACTT
CTTCTGCGCGACCCTTAGCTATTATTTGTCTATGACCATTCTTAATGAAACACCCACAGTTTTAAAG
AATCAAGTCTCTCGAGAGATCATGTTCACTGTCAAGTCTTTGCCTTGGATCAGCATCCCCACTGTGTCAT
TGTTCTGCTGGAGCTGAGGGTTACAGCAAACCTATGATGACATAGGAGACTTCCAAATGGCTGGAT
TCATCTCATATGAGCGTGATCTCCTTCTTCTTCCACCGACATGTTGATCTACTGGATTATAGGGGC
CTGCACCACAGACTGCTCTATAAGCACATACATAAACCTCATCATATTTGGAAGATCCCCACGCCGTTTCG
CAAGTCATGCTTTTACCCTGTGGACGGCTTCTTCAGAGTCTGCCTTACCATATCTACCCTTTGTCTT
CCCGCTGCACAAGGTGGTCTACTTAGGTTTATATGTCTTGGTTAATGTCTGGACAATTTCTATTCATGAT
GGCGACTTCCGGGTTCCCAGATCTTCAGGCCGTTTATTAAACGGGTCGGCTCATCACACAGACCACCACA
TGCTCTTTGACTATAACTATGGGCAGTACTTCACACTGTGGGATAGAATCGGAGGCTCTTTAAACATCC
TTCTCTTTTCGAAGGAAAGGACCACATAGTTACGTGAAGAACATGACAGAAAAAAGAAATCCAACAGCCTT
GCAGAAAATGGCTGCAAAAGCAAAAAATTATGCAATGGGGAGTTTACAAAGAACGAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053642
Insert Size: 900 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_053642.2 , NP_446094.1
RefSeq Size:	2185 bp
RefSeq ORF:	900 bp
Locus ID:	114100
UniProt ID:	Q9EQS5
Cytogenetics:	8q22
Gene Summary:	human homolog is an enzyme involved in catalyzing the conversion of lathosterol into 7-dehydrocholesterol; involved in the synthesis of cholesterol [RGD, Feb 2006]